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SCIENCE

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FRIDAY, FEBRUARY 7, 1896.

MEMORIAL ADDRESSES BEFORE THE SCIENTIFIC SOCIETIES OF WASHINGTON.*

JAMES DWIGHT DANA.

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I HAVE a profound reverence and love for the memory of Dana. Nearly a quarter of a century ago, when I had returned from an exploring expedition in the plateau province, I prepared an article for the *Journal of Science* setting forth some of the characteristics of that land, especially the great blocks into which it is broken by faults and the tilting and wearing of these blocks into plateaus. In that article I characterized the faults, as such were then unknown. On sending the article Dana wrote me a long letter which led to a correspondence and an interview. The geology of arid lands is more easily read than that of humid lands, and Dana remonstrated with me about my conclusions, not deeming it possible to discover such faulting on an exploring expedition, especially as it is on a gigantic scale. Finally I visited him in New Haven, taking with me a series of sections, a body of notes and many photographs, all of which we discussed somewhat in detail. From that time Dana became my adviser and

* Given on January 14th, at a joint meeting of the Societies under the auspices of the joint commission. The address 'On Huxley and his Work' by Dr. Theo. Gill, and the address given the following evening by Dr. G. Brown Goode. 'A Memorial Appreciation of Charles Valentine Riley' will be printed in this journal.